

ABSTRACT

FLUID ABSORBENT ARTICLE FOR SURGICAL USE

A fluid absorbent article for surgical applications includes a top layer including an apertured film having a plurality of apertures formed therein. Each aperture includes a base and an apex with the aperture base oriented in an upper surface of the top layer and the apex positioned a depth below the base and upper surface. An absorbent layer includes an absorbent media positioned to underlie the top layer generally coextensive with the top layer and receive fluids passing through the top layer. The absorbent media is operable for dispersing and containing the fluid within the article. Bases of the apertures have a plurality of generally straight sides and are positioned with respect to the upper surface to present a plurality of different angles to fluid flowing on the upper surface to hinder and divert the fluid so that it more readily passes through the apertures to the absorbent layer. A bonding layer including a bonding media is positioned between the top layer and absorbent layer and is operable for bonding the apices of the apertures to the absorbent media generally over the length and width of those layers. The bonding media loses significant tack after curing and is applied and dimensioned to not interfere with the fluid flow of the article.